

REMARKS:

In the outstanding Office Action, the Examiner rejected claims 1-24. New claim 25 is added. No new matter is presented. Thus, claims 1-25 are pending and under consideration. The rejections are traversed below.

REJECTION UNDER 35 U.S.C. §103(a):

Claims 1-24 are rejected under 35 U.S.C. § 103(a) as being unpatentable over various combinations of the following: U.S. Patent No. 5,935,210 (Stark), U.S. Patent No. 6,011,537 (Slotznick) and U.S. Patent No. 6,148,334 (Imai).

The Examiner compares the analysis module of the present invention with the resource mapping tool ("resource mapper") of Stark. However, according to Stark, the resource mapping tool (100) collects the sites hyperlinked with the resource (home page) and stores the same as a directory and URL (see, col. 4, line 66 through col. 5, line 8). That is, Stark is directed to collecting the URL linked in a database in the form of a table or the structure of a directory (see, col. 6, lines 23-37 and FIGS. 6A and 6B).

The Examiner acknowledges that Stark does not teach or suggest analyzing another file which has been downloaded onto an invisible screen and executing or displaying the same without downloading when the another file is designated, but relies on Slotznick as teaching the same. However, the technology of Slotznick is such that during browsing, a first information subsequently requested is downloaded, and a period of time up to displaying of the downloaded information is utilized for displaying a secondary additional information (thumb nail or a banner image) from another site held in a cache (see, col. 9, lines 22-39, col. 20, lines 58-64 and FIG. 4).

Imai is limited to transferring files from a file server to a file requesting client indicating a desired file where a file list of files related to the desired file indicated by the file request are sent to the file requesting client (see, col. 2, line 62 through col. 3, line 5).

In contrast, the analysis module of the present invention analyzes a display control file to extract a URL as a site information linked with the resource from a browsed page, and the storing module temporarily stores the acquired URL and maintains the same as a table. For example, the analysis module analyzes the contents of the source page when reading a page being browsed based on text content described in the visible object, and thereby extracts a link designation specified page (URL) directly described in a portion of or full text in a script file

program which describes execution of a predetermined processing.

For example, before a user identifies another file described in the resource file, the same is downloaded from the server and loaded on an invisible screen, and when this file is identified by the user via the display module, it is loaded from the invisible screen to a visible screen for display, thereby eliminating the need to download from the server when designated by the user and providing high speed browsing.

Independent claim 1, by way of example, recites "an analysis module of analyzing a display control file of managing a display screen to extract another file described or created by a script or a program" and "a downloading module of downloading from a server said another file based on said URL according to a predetermined condition." As further recited in independent claim 1, the invention includes, "analyzing and loading said another file downloaded onto an invisible screen" and "displaying said another file loaded into the invisible screen without downloading said another file when said another file in the display control file is designated on the display screen."

Independent claims 15 and 19 also recite, "analyzing a display control file... to extract another file described or created by a script or program", "specifying said another file to temporarily store a URL created by said script or said program" and "downloading from a server said another file based on said URL according to a predetermined condition".

Independent claims 23 and 24 recite that the present invention includes downloading a file(s) "described or created by a script or a program from a server when a resource file with which the file is linked is being browsed on a display screen." Claims 23 and 24 also recite, "creating a screen image of the downloaded file onto an invisible screen", where the created screen image of the file loaded onto the invisible screen is "displayed onto the display screen when the file is designated on the display screen."

As discussed above, the present invention that processes the pre-read link designation page acquired by analyzing the source page including the file described by a script or a program, cannot be realized by systems of the cited references, individually or by a combination thereof.

It is submitted that the independent claims are patentable over the cited references.

Moreover, when the link designation page identification (URL) is generated upon execution of the program, the generated link designation page identification (URL) is extracted and stored in the temporary storage buffer (see, page 13, line 5 - page 16, line 24; FIG. 6 and

FIG. 7 of the present application). The present invention downloads another file identified by the temporarily stored URL from a server in accordance with predetermined conditions such as (1) no operation has been performed during a certain period of time, (2) the position of a pointer is within a certain area, (3) the temporarily stored URL is at the same hierarchical level, etc., (see, dependent claims).

For at least the above-mentioned reasons, claims depending from the independent claims are patentably distinguishable over the cited references. The dependent claims are also independently patentable. For example, claims 5, 17 and 21 recite, "said analysis module monitors "an operation on the display screen and starts analysis of the display control file or downloading of said another file if no operation on the display screen has been performed during a certain time period." The cited references, alone or in combination, do not teach or suggest these features of claims 5, 17 and 21.

Therefore, withdrawal of the rejection is respectfully requested.

NEW CLAIM:

New claim 25 is added to highlight that the present invention includes, "analyzing a source page content of a web page including a file described by a script or a program while the web page is being browsed and extracting a URL based on said analyzing." As further recited in claim 25, the present invention includes, "temporarily loading the URL in an invisible screen and subsequently loading the URL by retrieving the URL from the invisible screen" and "displaying contents of the URL onto a display screen when the URL is designated."

The cited references, alone or in combination, do not teach or suggest "analyzing a source page content of a web page", "temporarily loading the URL in an invisible screen and subsequently loading the URL by retrieving the URL from the invisible screen" and "displaying contents of the URL onto a display screen when the URL is designated", as recited in claim 25.

Therefore, it is respectfully submitted that new claim 25 is patentably distinguishable over the cited references.

CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is

requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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